

# CHAMOT

重组人成纤维细胞生长因子-16 /Recombinant FGF-16, Human, Animal-Free

CM105-5HP



CM105-20HP



CM105-100HP



CM105-500HP



CM105-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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## 重组人成纤维细胞生长因子-16 /Recombinant FGF-16, Human, Animal-Free

产品编号	CM105-5HP	CM105-20HP	CM105-100HP	CM105-500HP	CM105-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

<b>背景描述</b>	Fibroblast Growth Factors-16 (FGF-16) is a 23.8 kDa member of the fibroblast Growth Factors with 207 amino acid residues. FGF-16 is mainly expressed from melanocytes, fibroblasts. FGF-16 involved embryonic development, cell proliferation and cell differentiation, and is required for normal cardiomyocyte proliferation and heart development.
<b>别称</b>	fibroblast growth factor 16, FFGF, FGF16
<b>蛋白编码</b>	O43320
<b>分子量</b>	The protein has a calculated MW of 24.57 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).
<b>表达系统</b>	Escherichia coli
<b>纯度</b>	>95% as determined by SDS-PAGE.
<b>生物活性</b>	Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <31 ng/mL. The specific activity of recombinant human FGF-16 is > 3 x 10 <sup>4</sup> IU/mg.
<b>内毒素检测</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>蛋白序列</b>	MAEVGGVFASLDWDLHGFSSSLGNVPLADSPGFLNERLGQIEGKLQRGSPTDF AHLKGILRRR QLYCRTGFHLEIFPNGTVHGTRHDHSRGILEFISLAVGLISIRGVDSGLYLG MNERGELYGSKKL TRECVFREQFEENWYNTYASTLYKHSDSERQYYVALNKDGSPREGYRTKRHQKFTHFLPRPV DPSKLPSMSR DLFHYR with polyhistidine tag at the C-terminus.
<b>产品形式</b>	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.
<b>产品应用</b>	Cell Culture

## 产品使用

### 1. Before opening, centrifuge at 3000 rpm for 5 mins.

### 2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H<sub>2</sub>O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

**Do Not Vortex!** Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

### 3. Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/ml.
- Prepare aliquots ( $\geq 20 \mu\text{l}$ ).
- Store at -20°C or -80°C for 3 to 6 months.

**Avoid repeated freeze-thaw cycles.**

## 产品储存/运输

**Lyophilized Protein:** Store at -20°C for 1 year.

### 储存

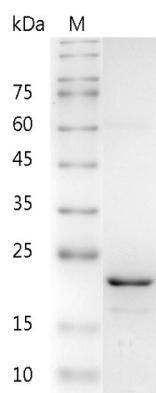
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**Extended Storage:** Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

### 运输

Blue Ice

## 实验数据展示



For Research Use or Further Manufacturing Only

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